

WHAT IS CLAIMED IS:

1. A disk brake for a vehicle, comprising:

a caliper adapted to straddle a brake disk, said caliper being axially displaceable relative to the brake disk;

two fixing elements by which the caliper is fixed to a brake support of the vehicle, one fixing element being a fixed bearing and the other fixing element being a movable bearing;

wherein the movable bearing comprises a guide bush having non-uniform wall thicknesses, and a bearing bolt guided in said guide bush, said bearing bolt being movable radially relative to the guide bush and having a round cross-section.

2. The disk brake according to claim 1, wherein a smallest clear opening measurement of the guide bush corresponds approximately to a diameter of the bearing bolt.

3. The disk brake according to claim 1, wherein an interior bore of the guide bush has an oval cross-section.

4. The disk brake according to claim 3, wherein the oval cross-section is mirror symmetrical.

5. The disk brake according to claim 3, wherein the interior bore has an oblong-hole construction.

6. The disk brake according to claim 3, wherein a largest diameter of the oval bore of the guide bush is arranged in a plane in common with a longitudinal axis of the fixed bearing.

7. The disk brake according to claim 1, wherein the guide bush is formed from a section of a profiled band of material.

8. The disk brake according to claim 7, wherein said section is rolled to form the guide bush such that an outer surface of the guide bush is cylindrical.

9. The disk brake according to claim 8, wherein the profiled band of material has two wavy profilings extending in a longitudinal direction, which wavy profilings include a first height of wave crests corresponding to a largest wall thickness of the guide bush and a second height of wave troughs adjoining the wave crests corresponding to a smallest wall thickness of the guide bush.

10. The disk brake according to claim 7, wherein a width of the profiled band of material corresponds approximately to the circumference of the guide bush.

11. The disk brake according to claim 8, wherein a width of the profiled band of material corresponds approximately to the circumference of the guide bush.

12. The disk brake according to claim 9, wherein a width of the profiled band of material corresponds approximately to the circumference of the guide bush.

13. The disk brake according to claim 7, wherein the profiled band of material has a plurality of parallel wavy profilings extending at a distance from one another.

14. The disk brake according to claim 13, wherein a first height of the wave crests correspond to a largest wall thickness of the guide bush and a second height of the wave troughs correspond to a smallest wall thickness of the guide bush.

15. The disk brake according to claim 13, wherein a width of the profiled band of material corresponds to a length of the guide bush.

16. The disk brake according to claim 13, wherein each section of the profiled band of material forming the guide bush has two wave crests and two wave troughs.

17. The disk brake according to claim 1, wherein the guide bush has an alignment marking corresponding with an alignment marking of the caliper.

18. The disk brake according to claim 7, wherein the profiled band of material consists of either a steel material coated with a slide coating, a bronze material, a brass material, a plastic material, or a composite material.

19. A disk brake for a vehicle, comprising:
a caliper adapted to straddle a brake disk, said caliper being axially displaceable relative to the brake disk;
two fixing elements by which the caliper is fixed to a brake support of the vehicle, one fixing element being a fixed bearing and the other fixing element being a movable bearing;
wherein the movable bearing comprises a guide bush having a uniform wall thickness and a bearing bolt, which bearing bolt is guided in the guide bush, is movable radially relative to the guide bush, and has an oval cross-section.

20. The disk brake according to claim 19, wherein a largest cross-sectional measurement of the oval bearing bolt corresponds approximately to an inner diameter of the guide bush having the uniform wall thickness.

21. The disk brake according to claim 20, wherein a smallest cross-sectional diameter of the oval bearing bolt is arranged in a plane in common with a longitudinal axis of the fixed bearing.

22. The disk brake according to claim 19, wherein the bearing bolt has an alignment marking corresponding with an alignment marking of the caliper.